1st & Final Bill

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No

Date:

Division: Electrical (DASARAHALLY) Sub- Division:

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket Name of Work (as per sanctioned estimate) Providing street lights and fittings in Bagualagunte in ward no 14.

Contractor and Full Address: M/s Chethan Electricals.

Work Order No: : EE/(Elec)/Das/WO/ 000016 /2018-19 Dated :23.07.2018

Reference to Agreement no:10/2018-19 Date 23.07.2018

Job No:- 014-18-000230

For CHETHAN ELECTRICALS

Certified that the measurements were taken by me on 31/07/2018 and recorded of pages 1 to 7.00 of Measurement Book No 5.127/17-18 and that the work is satisfactorily executed.

Contractor

Proprietor

ASST. EXECUTIVE ENGINEER (Ele)
Officer in charge of work
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Certified that the measurements were taken by me on 31/7/18 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in columns 3 of Account II have been actually brought to Site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in the connection with item for finished work have been agreed upon. And normal agreement signed and executed by the contractor is recorded in the office.

Sub-division Officer

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore.

II Memorandum of Payment

Total value of work done or supplies as per account within	Bill Amt 1336963 ~
Deduct amount to be held in reserve being .....percent Rs.....	I.T. 2% 26940 ~
" Balance	LWC. L.T. 13370 ~
Deduct payment :	CAT. 0.1% 1337 ~
Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No.....	TD 41447 ~
Amount adjusted towards cash advance recovery of Payments cost store or other material supplied.	Net 1295576 ~
Now made recovery amount creditable to this/ other work	
Amount paid on this bill cheque/cash	
Balance being unpaid value of work done held in reserve	
6) Deduct cash advance made on the Office Cash Book Voucher No..... dated.....less adjustments	
7) Net amount due to or from contractor	
Unadjusted items	
8) Advance to contractor for materials brought to site (as detailed) within	
Value of Government materials supplied	

For CHETHAN ELECTRICALS

Contractors Signature

Received Rs.....(in words)

.....

by cash and adjustment of payment as per memorandum.

Witnesses :

1.

2.

For CHETHAN ELECTRICALS

Proprietor

Dated .....Signature of contractor

Paid by me by cheque No.....Dated .....

Cash Rs.....Dated.....

Initials of Officer making payment

Proprietor

(For use in the office)

Audited and admitted for Rs. 1336963

Passed by Cheque for Rs. 1295576

(Rupees Twelve lakh ninety five thousand five hundred & seventy six only)

by adjustment Rs. 41447

Executive Engineer (Ele)

Accounts Superintendent

Exe. Engineer (Ele)

B.B.M.P. Dasarahalli Division

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Sl. No.	Description of item Name of Work : Providing street lights anf fittings in Bagalagunte in ward no 14.	Unit
1	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II.LED Streetlight 65watts	each
2	Supplying and Fixing of.....mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wiresUsing 32mm dia G.I.pipe.	each
3	Wiring for lighting/power circduit using one of PVC insulated 1100v grade multistrand Alluminium Unsheathed wire single core/multi core cable in open or conseald system of Wiring.A) 4 Sqmm.	each
4	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A.2 X 25 + 1 X 25 SQ.MM	per mtrs
5	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	per mtrs
6	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets200mmx200mmx98mm	Nos
7	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25kA.	Nos
8	Open Conduit Systeme: Supplying heavy gauge PVC conditpipe,,,,,,,,,, dia confirming to IS 2509 with suitable size bends,junction boxes, adhesibve paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or plug incase of brick walls and cement plastering damaged portionusing heavy gauge saddles at an interval of 700mm using NF screws.c)32mm dia 2.5mm thick	Mtrs
9	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. A)40x40x6mm.	Mtrs
10	Supplying and stringing of ACSR Conductor (6/2.59mm Al +1/2.59mm Steel).	Mtrs
11	Supplying and Fixing .....including all Hardware's etc. complete as per the standard technical specification of BESCOM. A)1.1 KV Pin Insulator	Nos
12	No. 8 Strain Insulator	Nos
13	Supply and fixing of .....cross arm including all Hardware's complete as per the standard technical specification of BESCOM. 2 Pin 45x45x5mm -510mm	Nos
14	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires.	Nos
	Total Rs	

Certificate

Certify That the above Work Has been Carried out Satisfactorily.

JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

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Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
		93	13250	1232250.00	93	1232250.00	
		70	250	17500.00	70	17500.00	
		295	5	1475.00	295	1475.00	
		90	90	8100.00	90	8100.00	
		90	6	540.00	90	540.00	
		20	1000	20000.00	20	20000.00	
		20	1500	30000.00	20	30000.00	
		60	34	2040.00	60	2040.00	
		5	150	750.00	5	750.00	
		991	15	14865.00	991	14865.00	
		30	20	600.00	30	600.00	
		47	9	423.00	47	423.00	
		30	150	4500.00	30	4500.00	
		49	80	3920.00	49	3920.00	
0	0			1336963.00		1336963.00	

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